

Product Texts

This material displays high mechanical and electrical properties; self-attenuates after the ignition source is exterminated; is resilient to nonpolar solvents, hydrocarbons (kerosene, gasoline, benzene etc.), mineral oils, strong and weak alkali, weak acids.

Available in black color.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	10	g/10min	ISO 1133
Temperature	250	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
Molding shrinkage, normal	1.1	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	108	MPa	ISO 527
Charpy impact strength, +23°C	30	kJ/m ²	ISO 179/1eU

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	216	°C	ISO 11357-1/-3
Temp. of deflection under load, 0.45 MPa	187	°C	ISO 75-1/-2
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	1E7	Ohm*m	IEC 62631-3-1
Electric strength	23	kV/mm	IEC 60243-1

Other properties	Value	Unit	Test Standard
Density	1500	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	260	°C	-
Mold temperature	80	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Black

Special Characteristics

Flame retardant

Chemical Resistance

Acid Resistance, Alkali Resistance, Solvent Resistance, Oil Resistance

Applications

Electrical and Electronical, Medical

Regional Availability

Europe